

Message Text

CONFIDENTIAL

PAGE 01 PARIS 21163 211556Z

ACTION EB-07

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 USIA-06

TRSE-00 ERDA-05 CIAE-00 COME-00 /031 W

-----018564 220112Z /66

R 211535Z JUL 77

FM AMEMBASSY PARIS

TO SECSTATE WASHDC 6010

C O N F I D E N T I A L PARIS 21163

USOECD

EXCON

E.O. 11652: CGDS1

TAGS: ESTC, COCOM , IT, RO

SUBJ: ITALIAN KNOW-HOW FOR PRODUCTION OF MOS IC'S

TO ROMANIA - IL 1355

REF: A) COCOM DOC (77) 140.9, B) STATE 160755,

C) PARIS 21046

1. ITALIAN DEL HAS RESPONDED TO US COMMENTS MADE
PRUSUANT TO REFTEL B AS FOLLOWS:

A. THE MOS CHIPS TO BE SUPPLIED TO ROMANIA ARE VERY
OLD PRODUCTS COMING FROM TECHNOLOGIES DEVELOPED IN 1968
(P-CHANNEL TECHNOLOGY) AND IN 1971 (N-CHANNEL TECHNOLO-
GY). THE P-CHANNEL TECHNOLOGY IS OBSOLETE IN THE WEST
AND THE N-CHANNEL HAS BEEN REFERRED TO AS AN OBSOLETE
PROCESS. UNDER THE REVISED PROPOSAL THE ITALIAN APPLI-
CANT WILL SUPPLY THE CHIPS AND COMMITS ITSELF TO SHIP
ONLY THOSE DEVICES MENTIONED IN REFD0C AND OPERATING IN
A TEMPERATURE RANGE FROM 0 CENTIGRADE TO 70 DEGREES
CENTIGRADE AND THOSE SUITED FOR INDUSTRIAL APPLICATIONS
ONLY.

CONFIDENTIAL

CONFIDENTIAL

PAGE 02 PARIS 21163 211556Z

B. THE TESTING EQUIPMENT TO BE PROVIDED CONSISTS OF
CTS 400 AND MACRODATA (MD 150). BOTH TEST SYSTEMS ARE
OLD GENERATION MACHINES, DESIGNED MORE THAN SIX YEARS
AGO(1971). IN THE CASE OF THE CTS 400, ONLY LOW-SPEED
DEVICES CAN BE TESTED. IN FACT THE THEORETICAL MAXIMUM
FREQUENCY IS FROM 80 TO 100 KHZ. THE MD 150 CAN BE USED

FOR THE TESTING OF SMALL SIGNAL SEMICONDUCTOR MEMORIES
MAXIMUM 1 K RAM. EVEN IF BOTH TYPE TESTING EQUIPMENT
WERE CONTROLLED BY COMPUTER THEY WOULD ONLY HAVE
A SOFTWARE AT LOW-LEVEL LANGUAGE.

2. ACTION REQUESTED: US VIEWS OR FURTHER QUESTIONS BY
AUGUST 3. ALSO INSTRUCTIONS AS TO WHETHER THESE ANSWERS
PROVIDE APPROPRIATE RESPONSE TO US QUESTIONS IN REF B.
SALZMAN

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: PRODUCTION, SEMICONDUCTOR DEVICES, STRATEGIC TRADE CONTROLS
Control Number: n/a
Copy: SINGLE
Sent Date: 21-Jul-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977PARIS21163
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Expiration:
Film Number: D770260-0626
Format: TEL
From: PARIS USOECD
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770733/aaaabclm.tel
Line Count: 71
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: efdeea65-c288-dd11-92da-001cc4696bcc
Office: ACTION EB
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 77 STATE 160755
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 03-Mar-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1790597
Secure: OPEN
Status: NATIVE
Subject: ITALIAN KNOW-HOW FOR PRODUCTION OF MOS IC'S TO ROMANIA - IL 1355
TAGS: ESTC, IT, RO, COCOM
To: STATE
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/efdeea65-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009